

Dry Runs/Dress Rehearsals

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PHOBOS Biweekly meeting
BNL, November 18, 2004

Yesterdays Dress Rehearsal

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Trigger Onsite: X1002
Si-expert Rachid

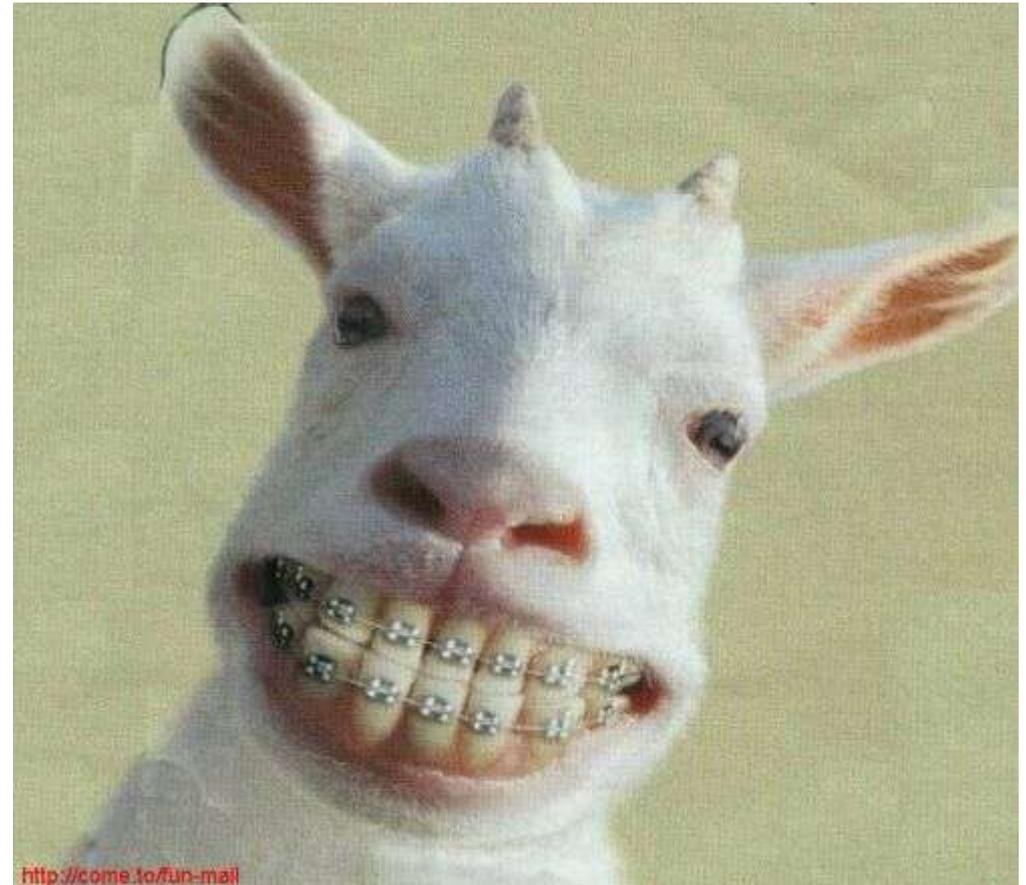
DRESS REHEARSAL Nov 10

- ✓ Switch on Si Cooling.
- ✓ Spotcheck Si System (Air, pet stop shield)
- ✓ Startup DAQ / ONLINE / Distr.
- ✓ Switch on trigger counters
- ✓ Switch on calorimeters
- ✓ Switch off the lights
- ✓ Switch on Spectrig.
- ✓ Switch on TOF
- ✓ Switch on Silicon
- ✓ Take Silicon pedestals
- ✓ Switch on Silicon bias
- ✓ Take Silicon pedestals
- ✓ Take Allbeam data.
- ✓ Send to DV
- ✓ Silicon OFF
- ✓ Spectrig OFF
- ✓ lights on in tunnel.
- ✓ FB pads & time cal.
- debug DAQ GUI etc
- alarmer
- docs

Gerankous gone
↓
on wire client!

Trigger
ABC Cap Connect
ABC Gate
DEDCU Ground?
S) DDCU in PSU
→ Good to FB!

11/17/2004 16:18



Silicon

OK, meaning that pedestals with bias on reproduce last years pedestals

The pedestal acquisition process needs to be discussed mainly how quickly we get new pedestals for a run

Flow meter for frame 6 in negative spectrometer is flaky flow is OK, masking it out it difficult but doable

Enclosure temperature and humidity monitoring is flaky adjusted alarming thresholds on one reading already need to check connections etc.

Manpower is not an issue (Rachid/Gerrit, Ed)

Paddles, T0's, Cerenkovs, ZDC's

Cerenkovs are gone, not enough HV channels
Online Trigger Client has been changed

Paddles and T0's have been on for awhile

ZDC's?

Double-peaking seen in Paddle pedestals
Looks like been caused by sudden change in pedestal
position, could be 0.25% change in gating

Waiting for new results from pedestals and cosmics
See Edmundo's talk

Manpower should not be an issue now that the start of
RHIC operations has been delayed

Magnet

OK, energized already once
See Robert's talk

Do we want to fire it up during one of the Dress
Rehearsals?

TOF

Recabled remaining HV mainframe

- PlasMon Slow Controls VI has been modified

Last 12 'orphan' TOF channel have been connected to Bertran HV supplies

- needs shift documentation

Took FastBus Pedestal and Time Calibrator Runs

Waiting for results for Nov 17 DR

Older data seems to be almost useless because of missing event data(?)

Manpower is a problem

SpecTrig

VME-ADC's connected and gated

Only switched on when tunnel dark, wrapping is peeling

No problem with HV on

Need to run μ DAQ to check PMT gains with LED
(November 24 ?)

Manpower should not be a problem, but on-site presence
has been minimal

PCAL

VME-ADC's all cabled up

Cosmic gating was checked

Took some 2 days worth of cosmics by now
Needs to be looked at

Manpower should not be a problem, but on-site presence
has been minimal

SpeCal

Old HV performs the same as last year
stable at 'magic' voltages

VME-ADC's cabled up

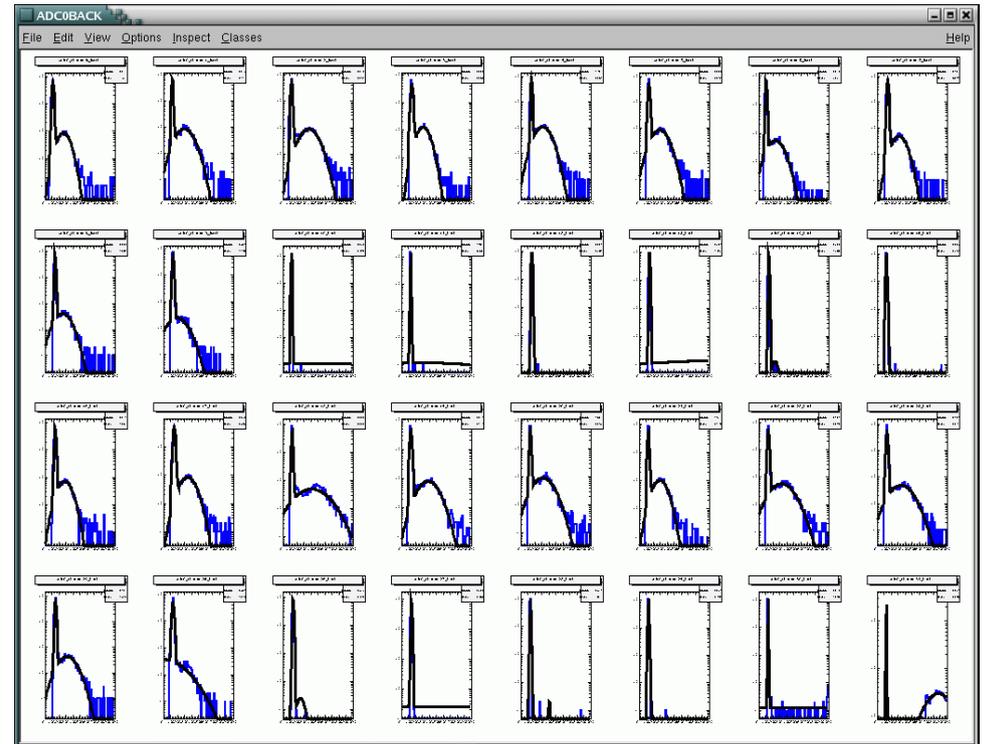
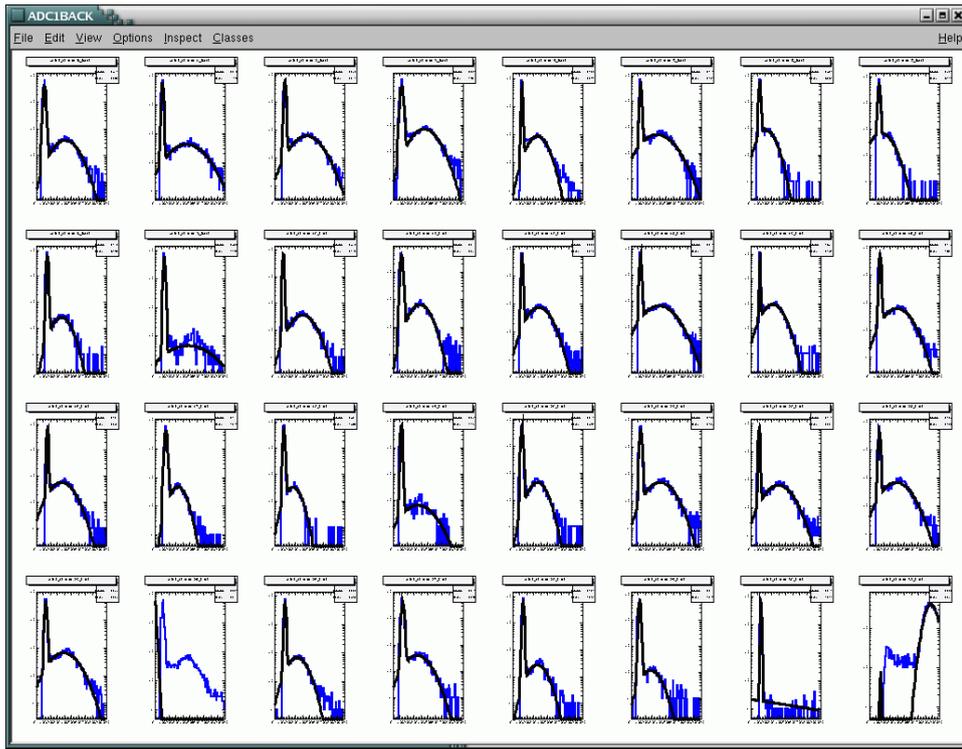
Cosmic gating has been checked (shared with PCal)

About 2 days of uDAQ cosmics (together with PCAL)

First look at cosmics seems to be OK, have to compare
the currently available data with last years

Manpower is a problem

SpeCal cosmics



DAQ

DAQ runs great upto 400 Hz!!!

Above 400 Hz investigations postponed to consolidate current situation, ie making it shift ready

Desperate need for DAQ GUI

ROCDB doesn't write scalers into DB
breaks ROCDB online monitoring

.....See Andrei's talk

Online/Datamover/DV

Distributor-DAQSpy war has been resolved

Multiforking DM is working

Waiting for information about DV processing long runs

Online monitoring seems to be working

.....see Burt's talk



Press WHITE arrow above to start.
Press STOP button below to stop.



Central Alarmer V1.4

LabView Clients

Online Clients

Other Clients

STOP

PAUSE ALL

TimeStamp
11/17/04
04:09:30
PM

SiMon

PhOnI3

PAUSE INFO

OnILatchup1

PhOnI3

PAUSE INFO

OnIToF

PhOnI3

PAUSE INFO

VertexDisplay

PAUSE INFO

TRGCrateMon

PlasMon (Temporarily)

PAUSE INFO

RadMon

PAUSE INFO

OnILatchup2

PhOnI3

PAUSE INFO

OnIROCDB

PhOnI3

PAUSE INFO

EvtDistrib

PhOnI1

PAUSE INFO

PAUSE INFO

PlasMon

PAUSE INFO

OnIHeartbeat

PhOnI3

PAUSE INFO

UPSMon

PAUSE INFO

TriggerDisplay

PhOnI1

PAUSE INFO

PCALMon1

PhOnI1

PAUSE INFO

MagMon

PAUSE INFO

OnITrigger

PhOnI3

PAUSE INFO

SpeCalMon

PAUSE INFO

SiCalib

Phast

PAUSE INFO

PAUSE INFO

- Initializing and waiting for client to connect
- Connection broken or timed out, waiting for client to reconnect
- OK, client running and no errors reported
- Client has reported an error condition, hit info to learn more
- Port reader suspended, hit pause to continue
- Port reader received an unrecognized string from client
- Turns RED to indicate which client is setting off an alarm

Is There Beam?

RadMon

PAUSE INFO

NO BEAM

To do: Dress Rehearsals

Officially commission system

- persons responsible need to sign off backed up by proof of functioning

Get CH operations shift ready

- DAQ GUI
- Slow controls
- Alarming (see previous slide)
- Documentation

We have about 2 weeks in November

Still reasonably on schedule (partially thanks to delays)

My Guess: if we would have to start taking data 1 week from now we would be ready in time